

Converting Colors

$Yxy(77.3436, 0.2708, 0.3511)$

Have a look what the booklet for
Yxy(77.3436, 0.2708, 0.3511)
contains.

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Color

Yxy(77.1062, 0.2708, 0.3512)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9BF4E1 |
| RGB | 155, 244, 225 |
| RGB Percent | 61%, 96%, 88% |
| CMY | 0.3923, 0.0431, 0.1176 |
| CMYK | 0.36, 0.00, 0.08, 0.04 |
| HSL | 167°, 80%, 78% |
| HSV | 167°, 36%, 96% |
| XYZ | 59.4543, 77.1062, 82.9902 |
| YIQ | 215.2230, -46.9450, -24.7770 |

Conversions

Conversions Part 2

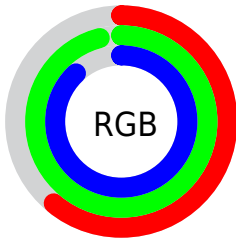
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 155, 205, 244 |
| Decimal | 10220769 |
| CIE Lab | 90.37, -30.88, 0.71 |
| CIE LCh | 90, 30.888, 178.691 |
| Yxy | 77.1062, 0.2708, 0.3512 |
| Android (android.graphics.Color) | 4288410849 (0xFF9BF4E1) |
| YUV | 215.2230, 4.8201, -52.8156 |
| Hunter-Lab | 87.8101, -32.8093, 5.4316 |

Details

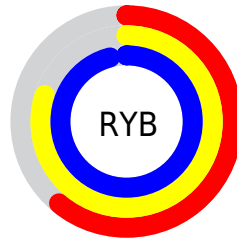
The Yxy color **77.1062, 0.2708, 0.3512** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7202, 0.3822, 0.3084**, and the grayscale version is **68.1013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **41.0956, 0.2609, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **74.6549, 0.2618, 0.3584**, and if you desaturate by 10%, it is **80.0601, 0.2811, 0.3444**.

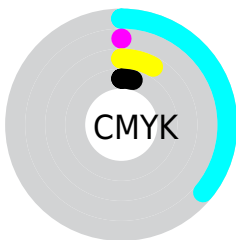
Distribution



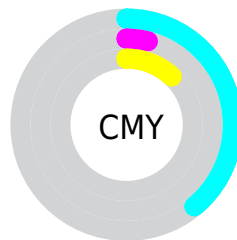
- Red (61%)
- Green (96%)
- Blue (88%)



- Red (61%)
- Yellow (80%)
- Blue (96%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





- Cyan (39%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1062, 0.2708, 0.3512 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.1062, 0.2708, 0.3512 by changing the saturation by 10% instead.


 77.1062, 0.2708,
0.3512

 77.1062, 0.2708,
0.3512


485.1260, 0.2899,
0.3410

 57.3400, 0.2665,
0.3535

 129.2894, 0.2774,
0.3477

 41.2783, 0.2612,
0.3563


 162.4752, 0.2800,
0.3463

 28.5366, 0.2545,
0.3599

200.9030, 0.2822,
0.3451

 18.7306, 0.2459,
0.3645

244.9572, 0.2841,
0.3441

 11.4757, 0.2344,
0.3707

295.0223, 0.2859,
0.3432

 6.3878, 0.2180,
0.3795

351.4825, 0.2874,

 3.0823, 0.1934,

0.3424

414.7223, 0.2887,
0.3417

0.3930

1.1748, 0.1235,
0.4299

0.0410, 0.0000,
1.0000

77.1062, 0.2708,
0.3512

77.1062, 0.2708,
0.3512

74.6549, 0.2618,
0.3584

80.0601, 0.2811,
0.3444

72.6672, 0.2545,
0.3659


83.5345, 0.2925,
0.3382


71.1135, 0.2489,
0.3737

87.5576, 0.3046,
0.3324


69.9565, 0.2454,
0.3816


92.1529, 0.3172,
0.3272

 69.1527, 0.2438,
0.3895

 92.9351, 0.3156,
0.3223

 68.6475, 0.2441,
0.3974

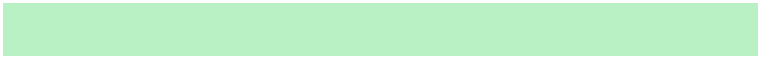
 93.1874, 0.3132,
0.3185

 68.5109, 0.2445,
0.4001

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1062, 0.3033, 0.3813



77.1062, 0.2708, 0.3512



77.1062, 0.2500, 0.3158

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1062, 0.2708, 0.3512



77.1062, 0.2832, 0.2709



77.1062, 0.3850, 0.3654

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.1062, 0.2708, 0.3512



45.7202, 0.3822, 0.3084

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1062, 0.3796, 0.3362



77.1062, 0.2708, 0.3512



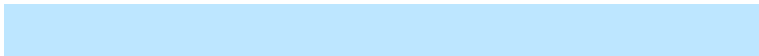
77.1062, 0.3190, 0.2837

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1062, 0.2708, 0.3512



77.1062, 0.2569, 0.2715



77.1062, 0.3548, 0.3070



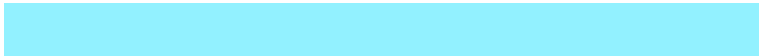
77.1062, 0.3699, 0.3874

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1062, 0.2708, 0.3512



77.1062, 0.2449, 0.2954



77.1062, 0.3548, 0.3070



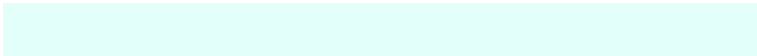
77.1062, 0.3856, 0.3560

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.1093, 0.2708, 0.3512



94.6833, 0.2990, 0.3350



76.1011, 0.3194, 0.4358



20.1372, 0.2974, 0.3358



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1093, 0.2708, 0.3512



83.1148, 0.2638, 0.3566



64.0458, 0.2573, 0.2990



18.6937, 0.3009, 0.3341



37.2699, 0.2441, 0.3988



3.2904, 0.2414, 0.3890

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.7202, 0.3822, 0.3084



43.6253, 0.4043, 0.3042



54.3211, 0.3914, 0.3568



16.5404, 0.3260, 0.3240



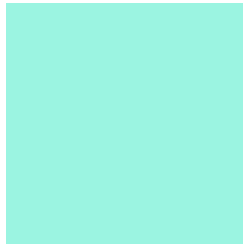
10.6092, 0.6040, 0.3101



0.9470, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 77.1062, 0.2708, 0.3512 looks on a white background.

Color Contrast Check

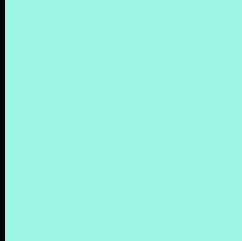
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.1062, 0.2708, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

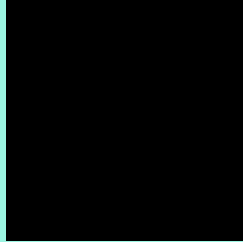
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1062, 0.2708, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 77.1062, 0.2708, 0.3512.

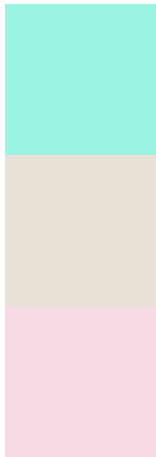


This preview shows how white text looks on a background with the Yxy color 77.1062, 0.2708, 0.3512.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.1062, 0.2708, 0.3512

Protanopia

76.0804, 0.3250, 0.3396

Deuteranopia

75.9690, 0.3247, 0.3178



Tritanopia

77.1397, 0.2638, 0.3100

Trichromacy



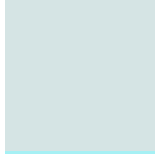
Original Color

77.1062, 0.2708, 0.3512



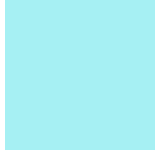
Protanomaly

75.8068, 0.3027, 0.3434



Deuteranomaly

75.2344, 0.3025, 0.3290



Tritanomaly

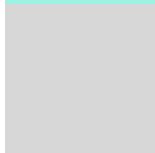
76.9588, 0.2664, 0.3243

Monochromacy



Original Color

77.1062, 0.2708, 0.3512



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.8446, 0.2948, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1062, 0.2708, 0.3512 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(155, 244, 225)` looks like.

```
.text, #text, p{  
    color:rgb(155, 244, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(155, 244, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 244, 225) }
```

Border

The CSS property to change the border of an element to Yxy 77.1062, 0.2708, 0.3512 is called "border". The border property can be set on classes, ids or directly on the HTML element.

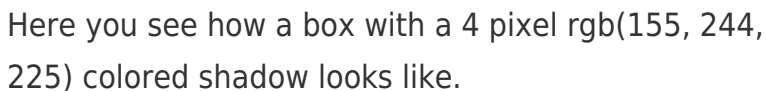
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 244, 225) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(155, 244, 225) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(155, 244, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 244, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 244, 225);  
box-shadow:4px 4px 4px 4px rgb(155, 244,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1062, 0.2708, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 244, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(155,  
244, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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